# INDIGENOUS FODDER GRASSES

OF THE

# PLAINS OF NORTH-WESTERN INDIA.

# ILLUSTRATIONS

OF THE

# INDIGENOUS FODDER GRASSES

OF THE

# PLAINS OF NORTH-WESTERN INDIA.

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ROORKEE:

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THOMASON COLLEGE PRESS.

# PREFACE.

The increasing demand for reliable information concerning the various grasses used in this country, either as fodder or forage, has induced me to collect materials for the preparation of a work embodying all the available information on this very important subject.

This volume of Plates is now offered as a contribution towards a better knowledge of some of the more important fodder grasses occurring on the plains of Northern India.

The Plates are nature-printed impressions, executed by a process which has lately been brought to a state of great perfection by Mr. T. D. Bona, Superintendent of the Thomason College Press, Roorkee. One obvious advantage of this process is that it does away with the necessity of preparing drawings as for ordinary lithography, except of course in cases where anatomical dissections are required to be given. I can fully testify to the accuracy of these Plates; and in the majority of them Mr. Bona has succeeded admirably in securing the characteristic habit of the plant. I am very much indebted to him for the care and trouble he has taken with them.

Vernacular names have been given in cases only where the adoption of such names has been found to extend over any considerable area. All merely local names will find a place in the descriptive letterpress, which I hope to have ready by next cold season.

GOVERNMENT BOTANICAL GARDENS:
SAHARANPUR,
1st *April*, 1886.

J. F. DUTHIE.

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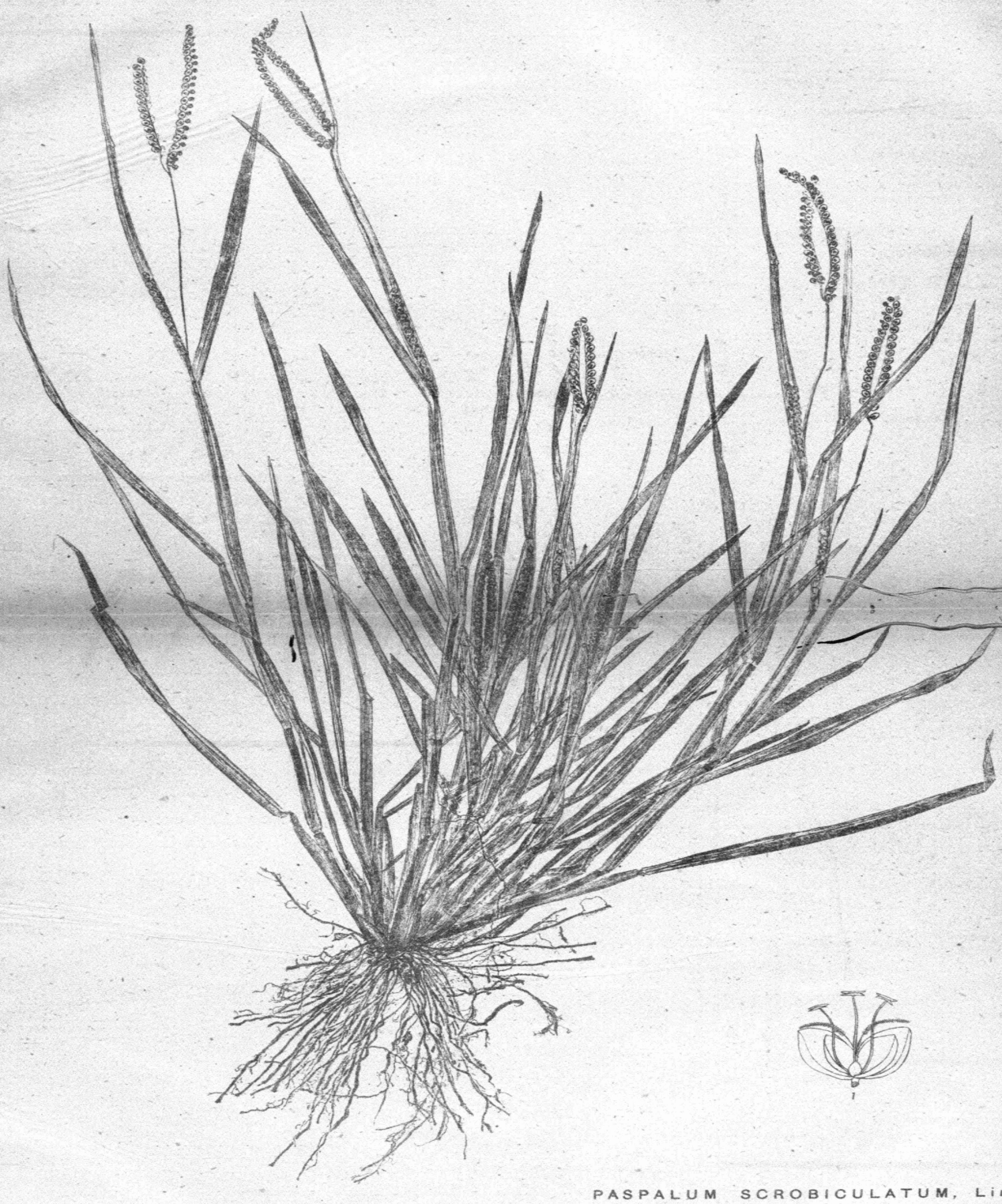

PASPALUM SCROBICULATUM, Linn.

Vern.—*Kodon.*

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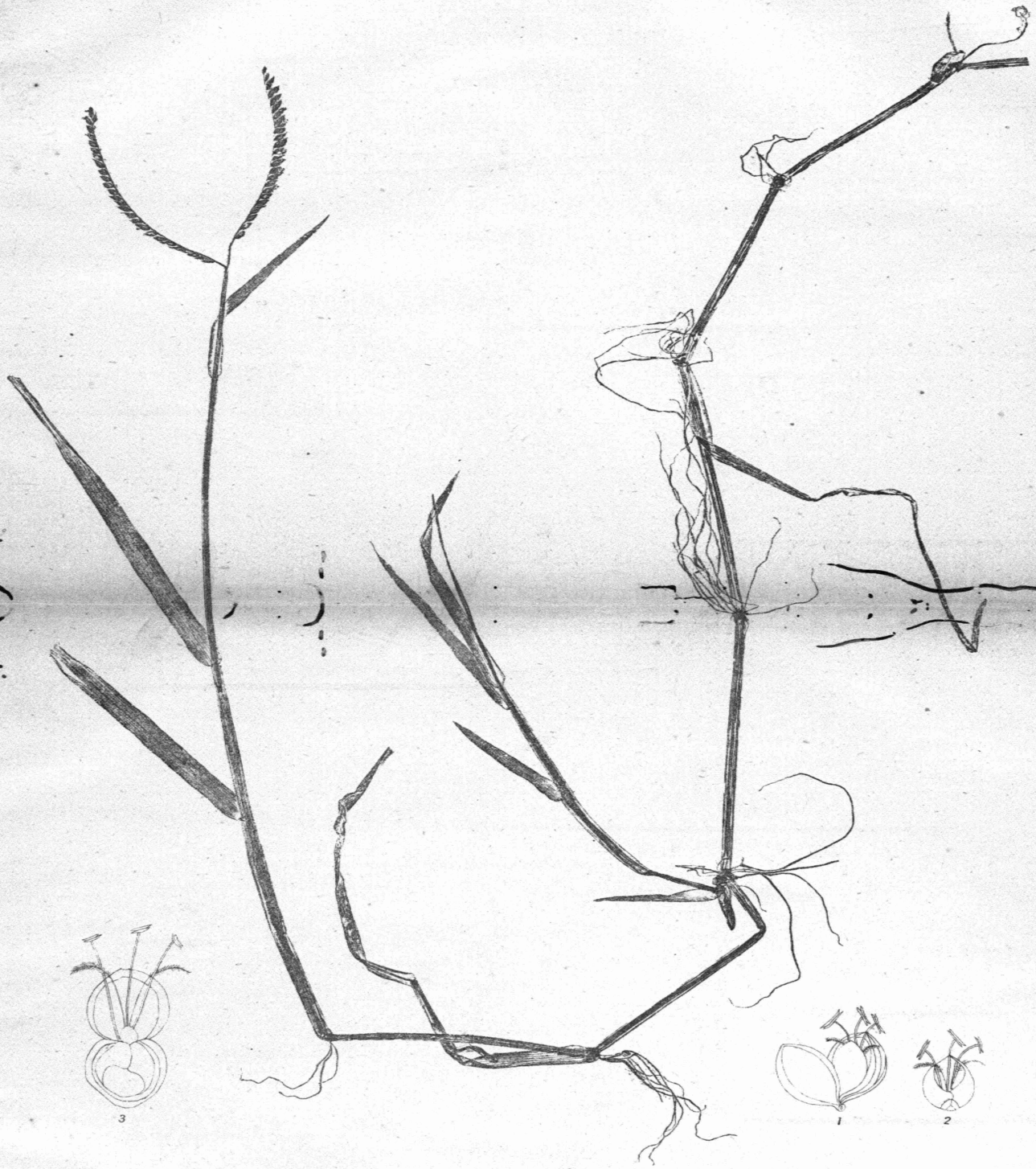


PASPALUM KORA, Willd.

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PANICUM ANTIDOTALE. Retz

Vern.—*Ghamor, gharram.*

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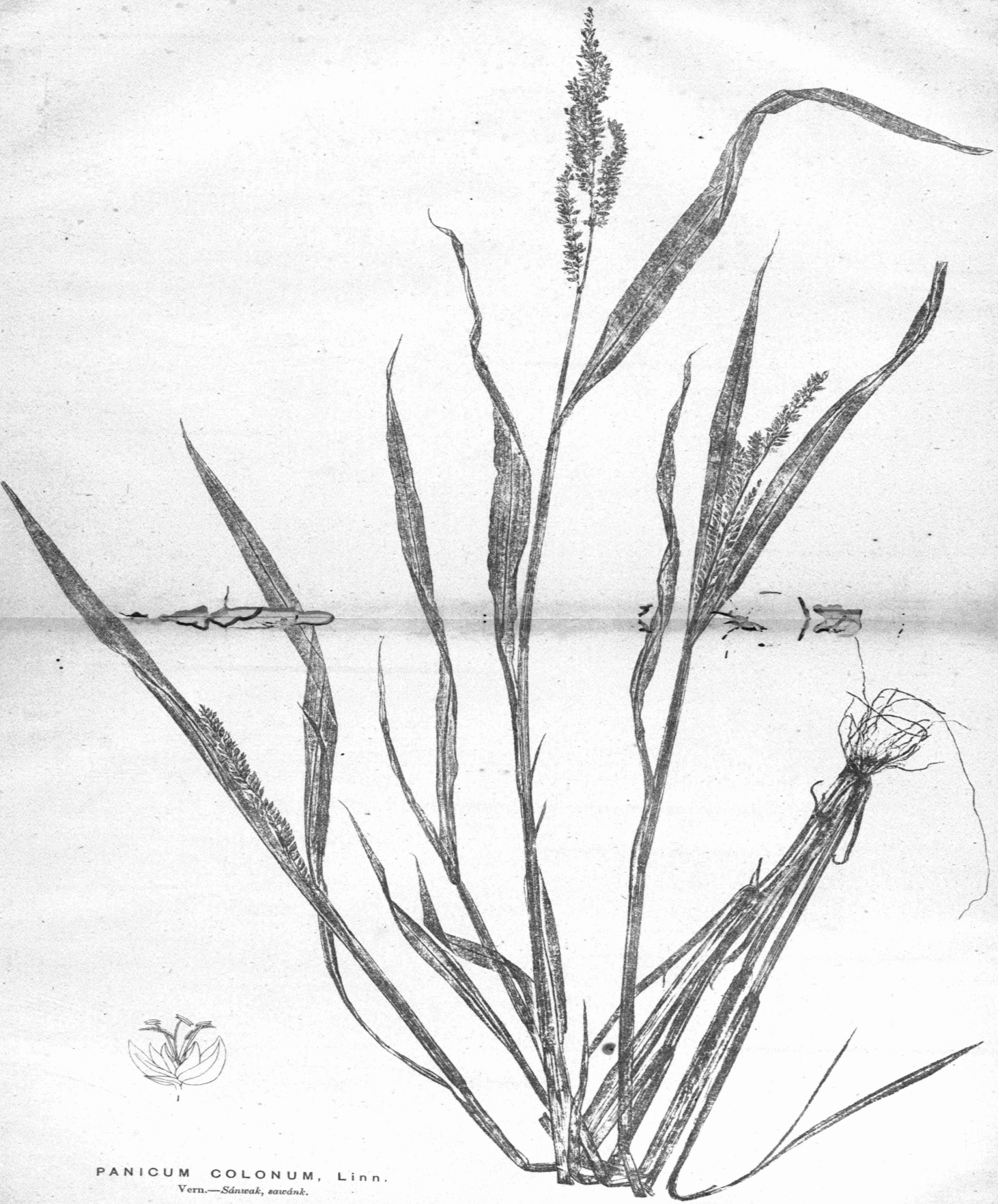

PANICUM COLONUM, Linn.

Vern.—*Sánwak, sawánk.*

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PANICUM CRUS-GALLI, Linn.

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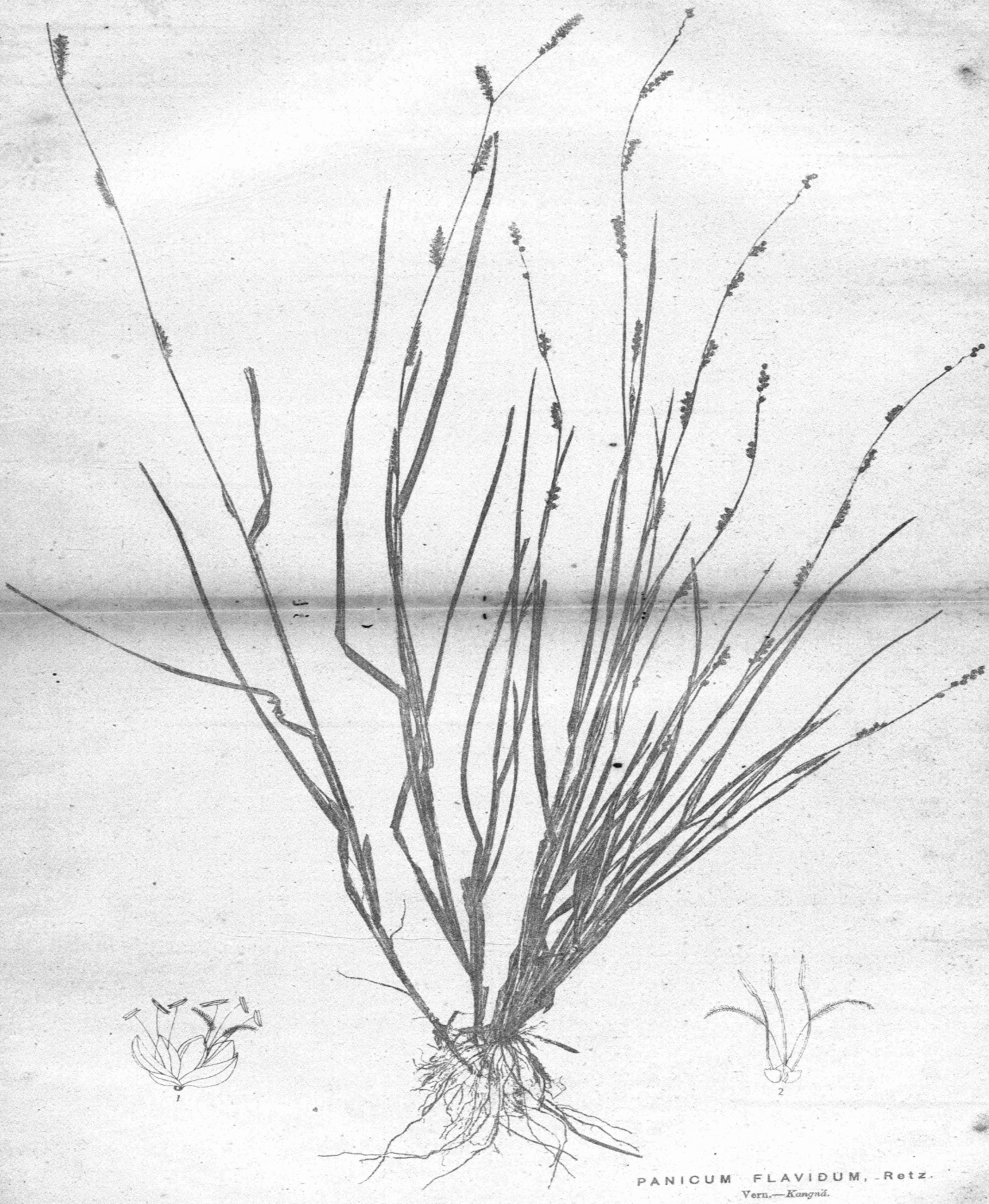


PANICUM FLAVIDUM, Retz.

Vern.—*Kangnā.*

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PANICUM HELOPUS, Trin.
Vern.—*Kuri.*

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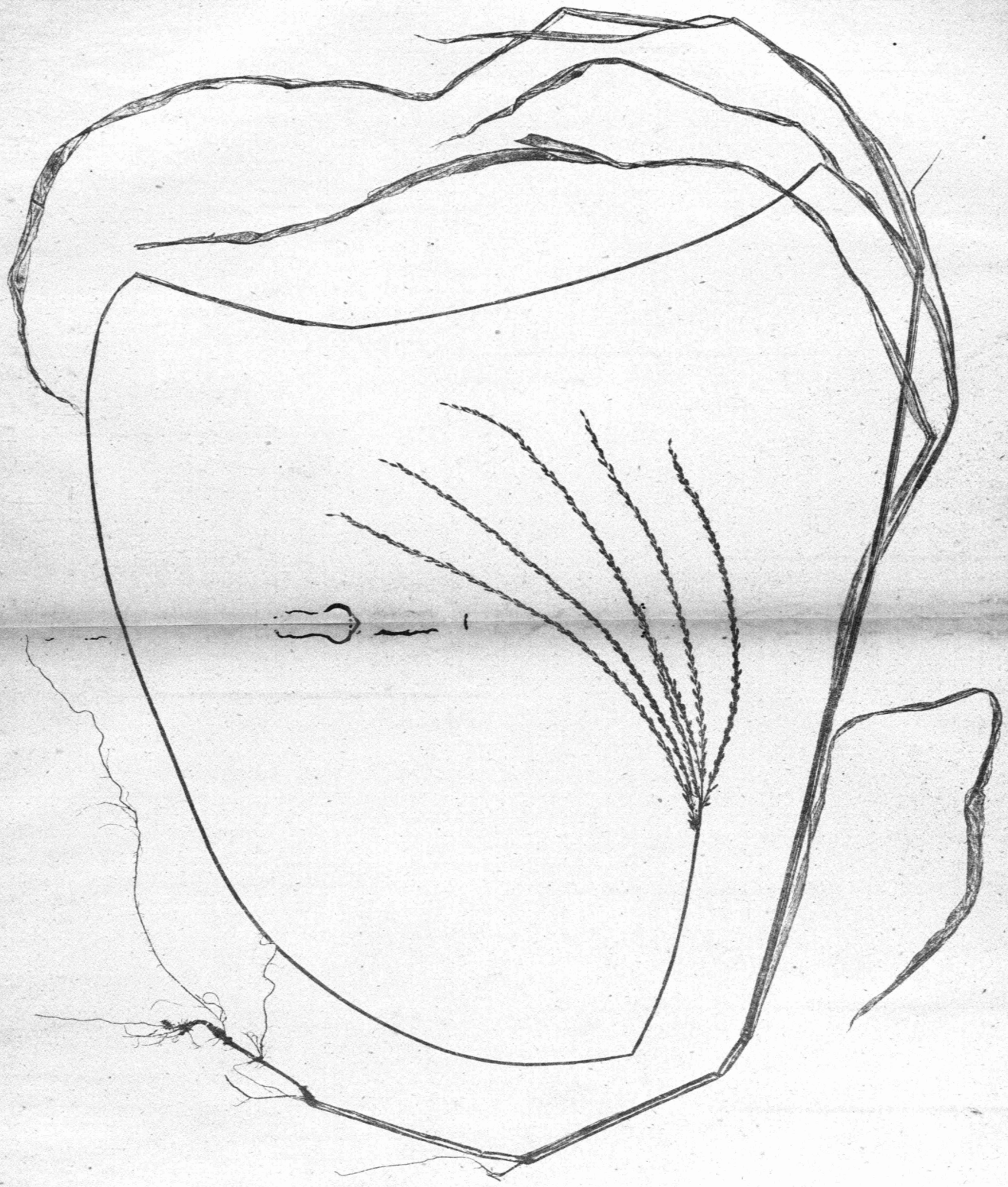

PANICUM SANGUINALE, Linn.
Vern.—*Takri.*

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PANICUM CILIARE, Retz.
Vern.—*Dobra.*

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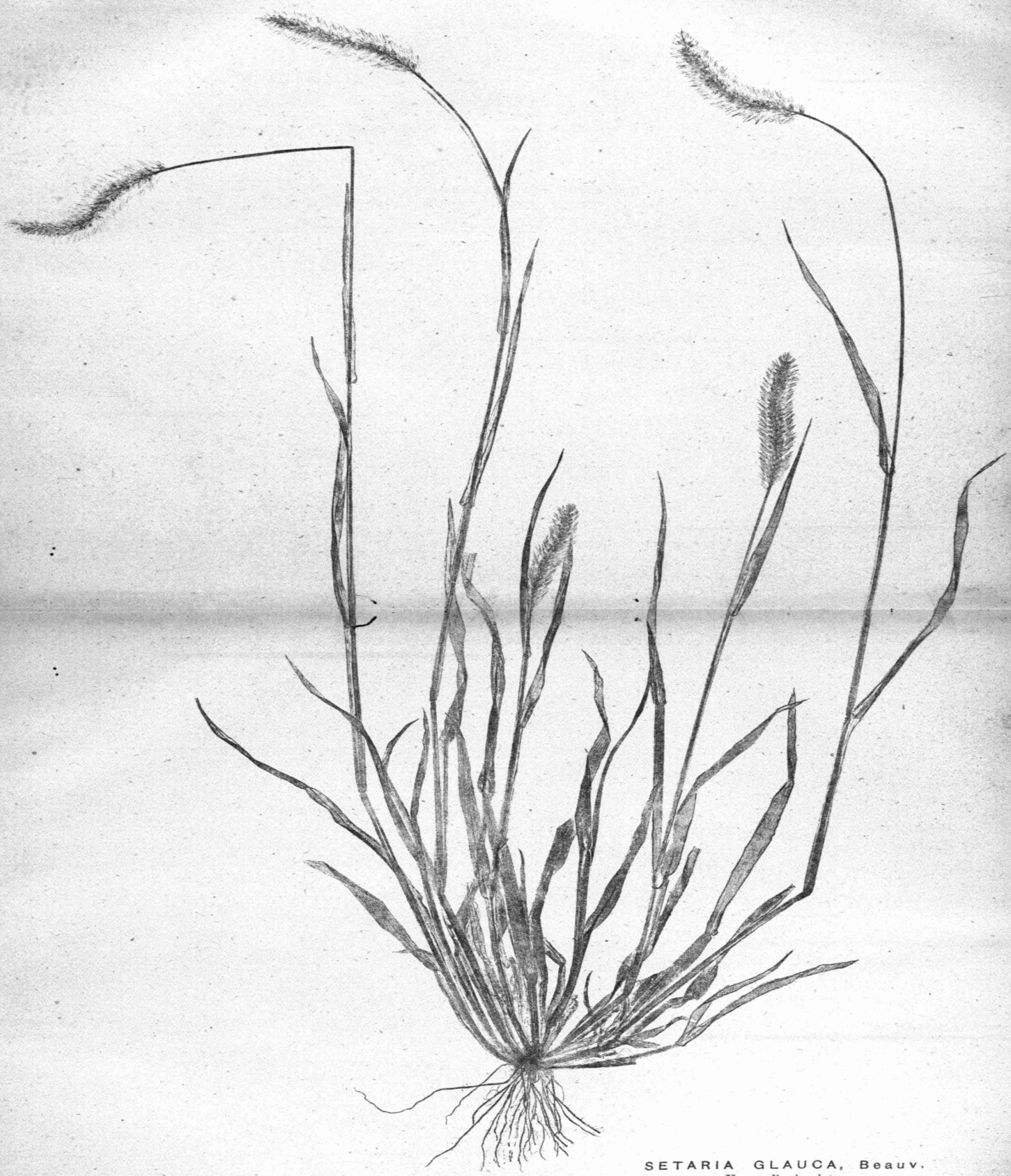

SETARIA GLAUCA, Beauv.
Vern.—*Bandra, kotu.*

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CENCHRUS CATHARTICUS, Del.
Vern.—*Bhurt.*

Printed from Nature by Thos. D. Bona, Thomason College Press, Roorkee.

CENCHRUS MONTANUS, Nees.

Vern.—*Anjan (1), dháman (1), dhăman (1).*

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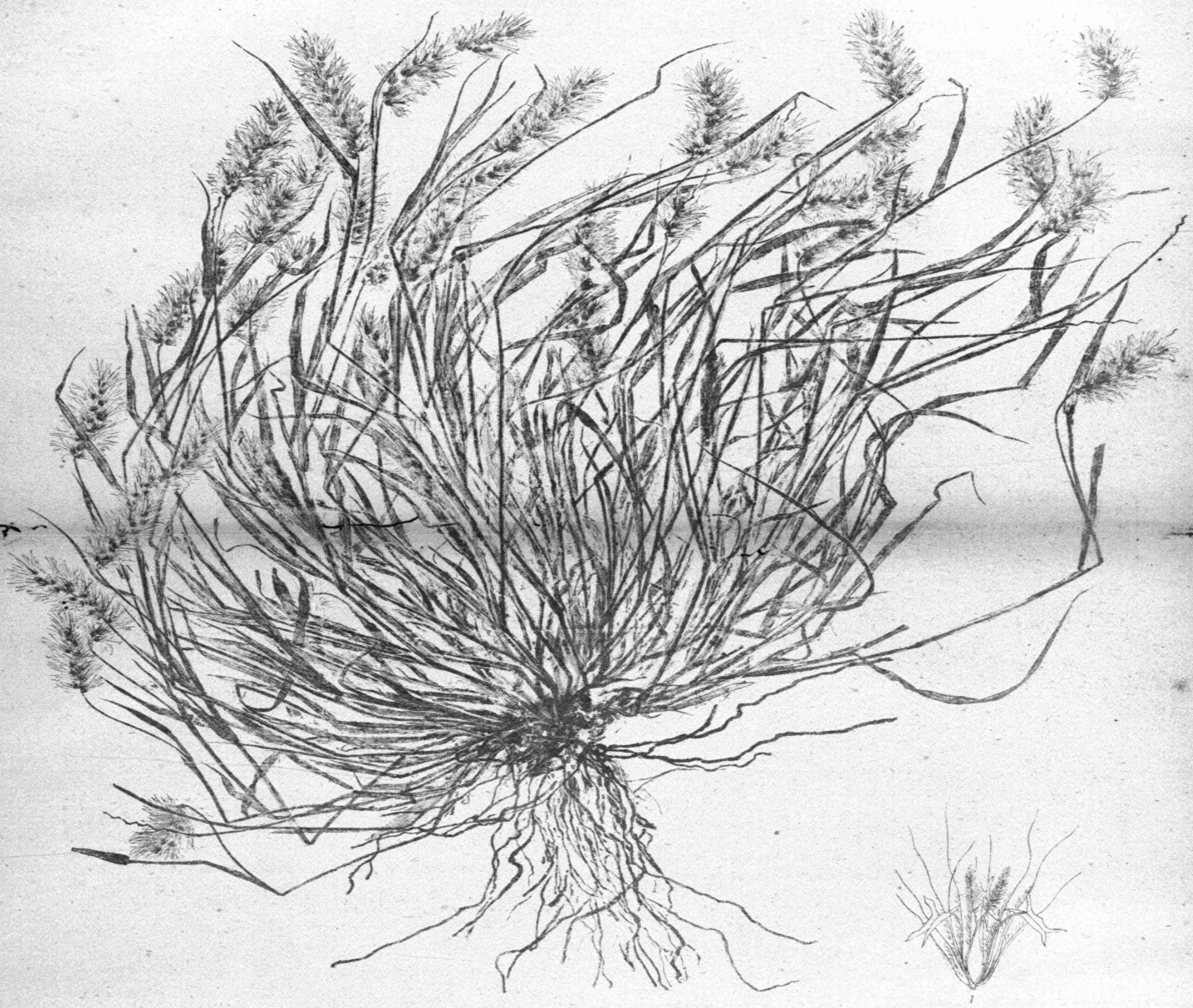

**PENNISETUM CENCHROIDES, Rich.**

Vern.—*Anjan (2), dhāman (2), dhāman (2).*

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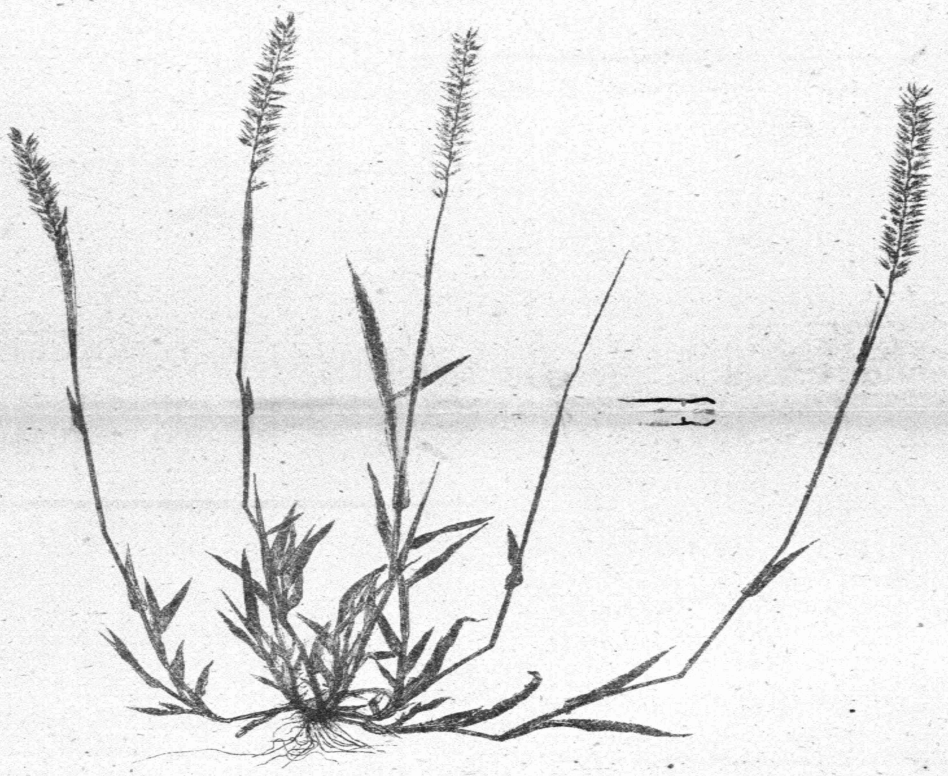

TRAGUS RACEMOSUS, Hall.

Vern.—*Barchinti.*

Printed from Nature by THOS. D. BONA, Thomason College Press, Roorkee.

IMPERATA ARUNDINACEA, Cyrill.

Vern.—*Siru, ulu, kusa (1).*

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PLATE XVI.

SACCHARUM MUNJA, Roxb.

Vern.—*Sarkanda, sarr.*

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ELIONURUS HIRSUTUS, Munro.
Vern.—*Siwan, sin, sain.*

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HEMARTHRIA COMPRESSA, R. Br.

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HETEROPOGON CONTORTUS, R. and S.

Vern.—*Sarála, lamb.*

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ANDROPOGON BLADHII, Retz.

Vern.—*Palwán (1), palwal (1).*

Printed from Nature by Thos. D. Bona, Thomason College Press, Roorkee.

ANDROPOGON FOVEOLATUS, Del.

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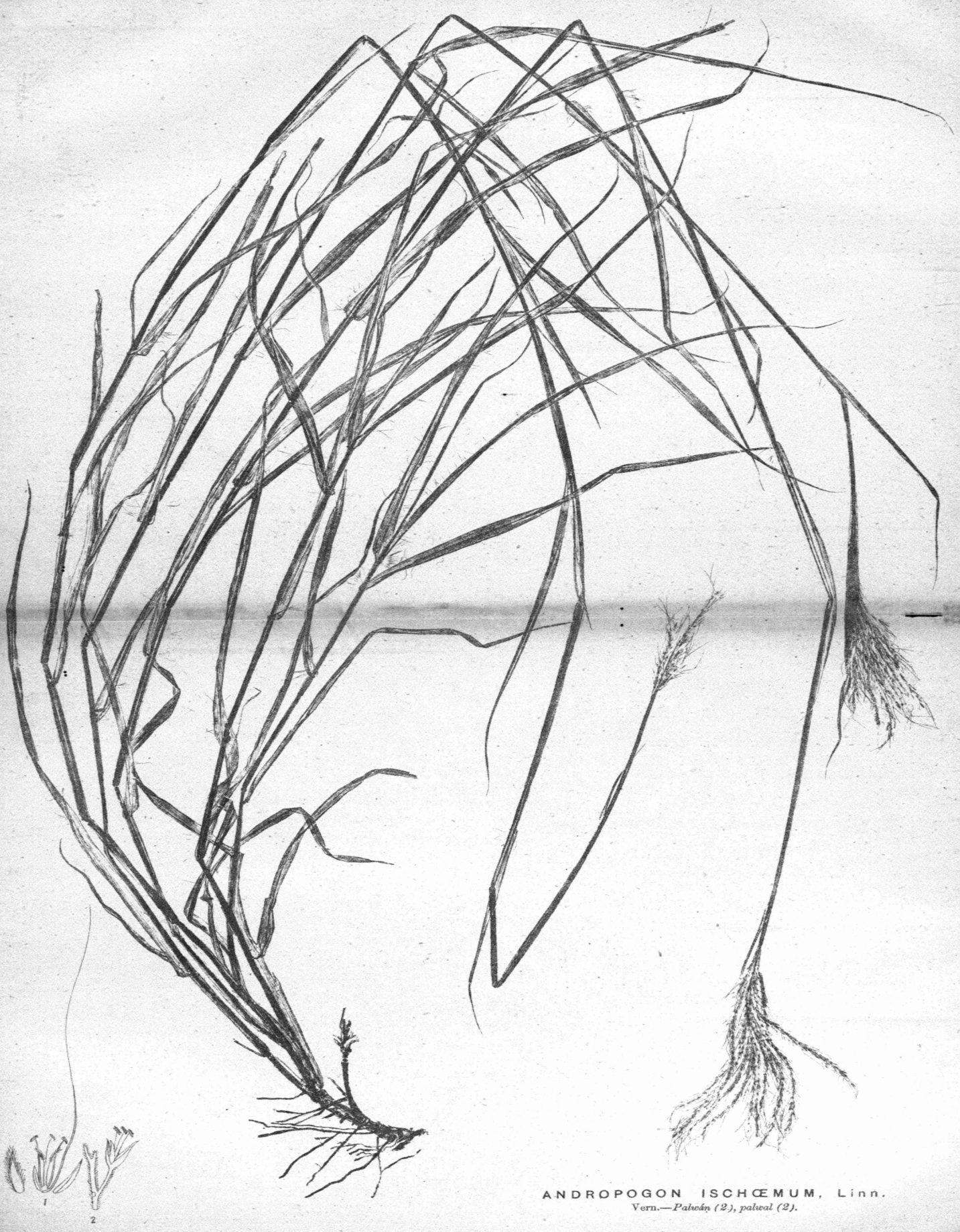
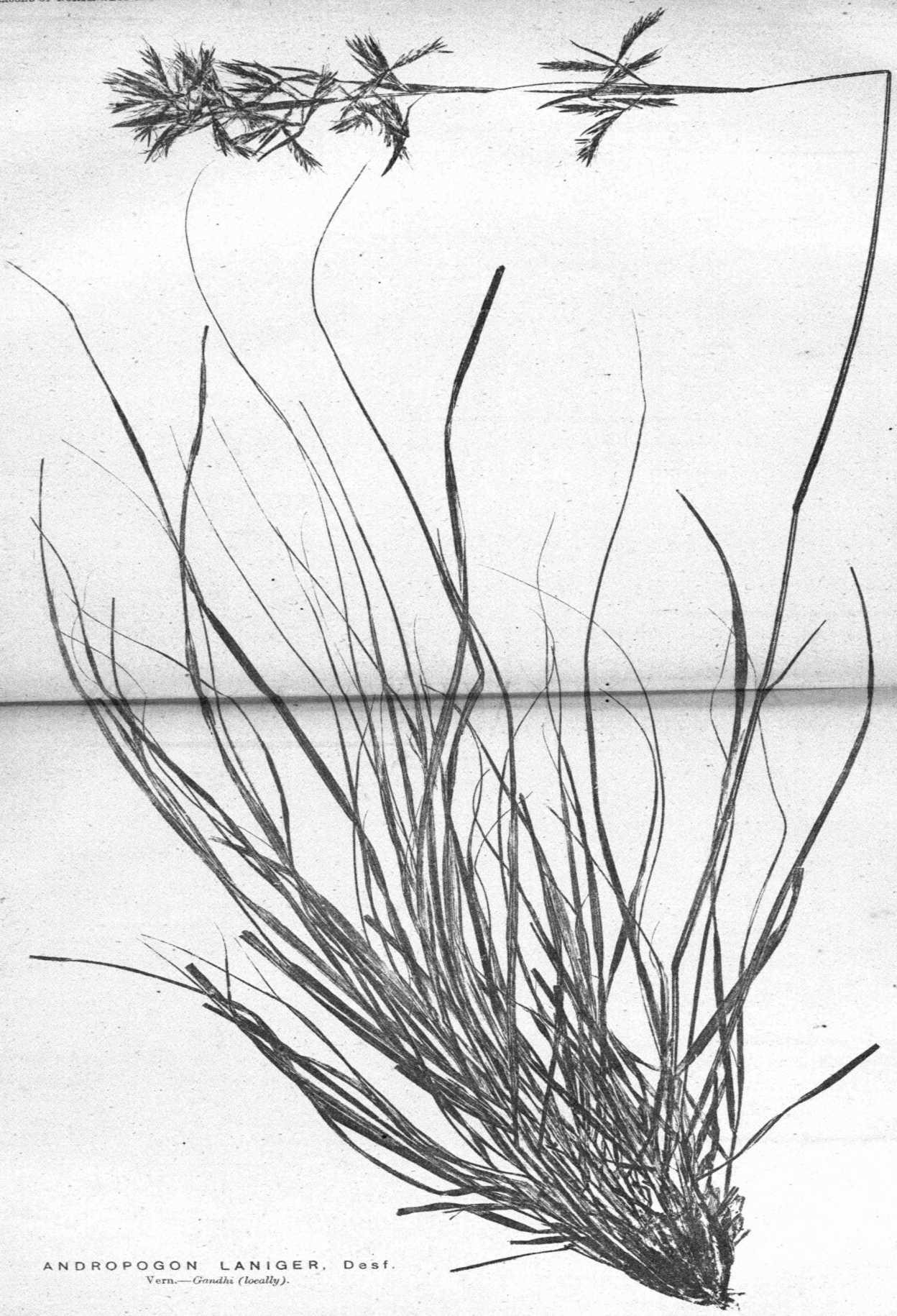



ANDROPOGON ISCHŒMUM, Linn.

Vern.—*Palwán (2), palwal (2).*



ANDROPOGON LANIGER, Desf.

Vern.—*Gandhi (locally).*

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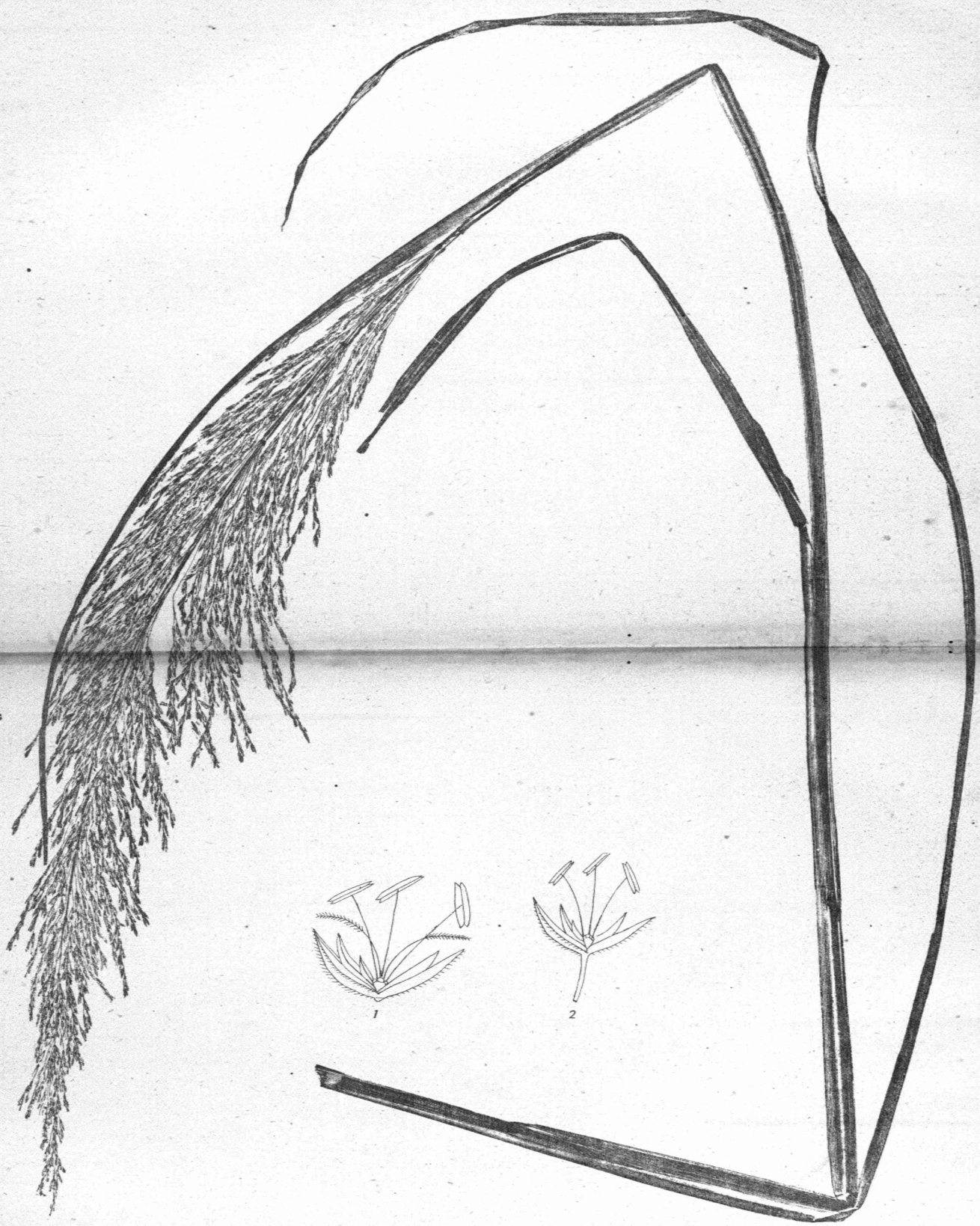


ANDROPOGON MURICATUS, Retz.

Vern.—*Panni, biran.*

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ANDROPOGON PERTUSUS, Willd.

Vern.—*Palwán (3), palwa (3).*

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ANDROPOGON SCHŒNANTHUS, Linn.
Vern.—*Reúns, khāwi.*

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SORGHUM HALEPENSE, Pers.
Vern.—*Barii.*

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ANTHISTIRIA POLYSTACHYA, Roxb.

Vern.—*Gandhi (1).*

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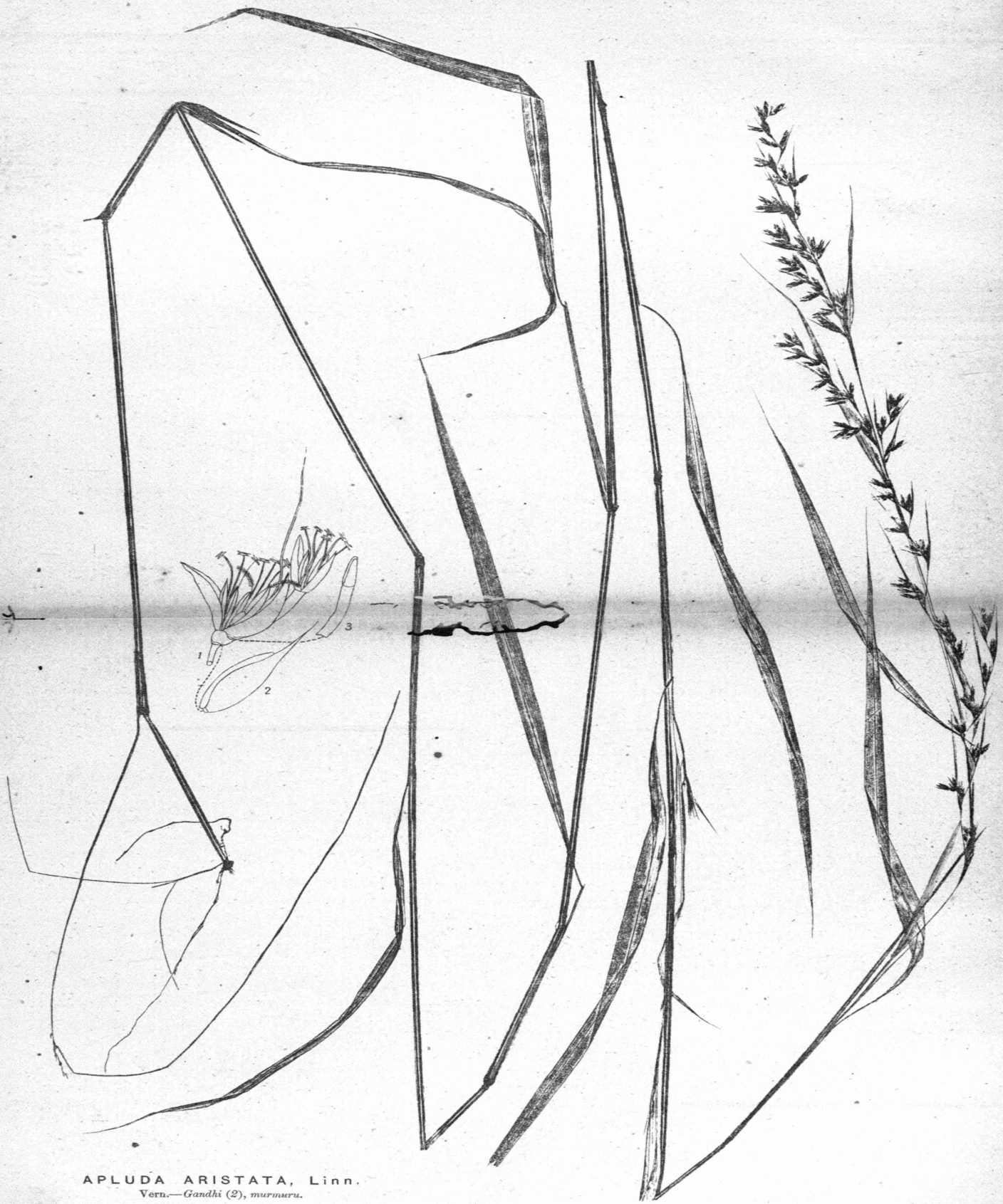


APLUDA ARISTATA, Linn.

Vern.—*Gandhi* (2), *murmuru*.

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ARISTIDA DEPRESSA, Retz.

Vern.—*Lamb.*

ARISTIDA MURINA, Cav.

Vern.—*Lámp.*

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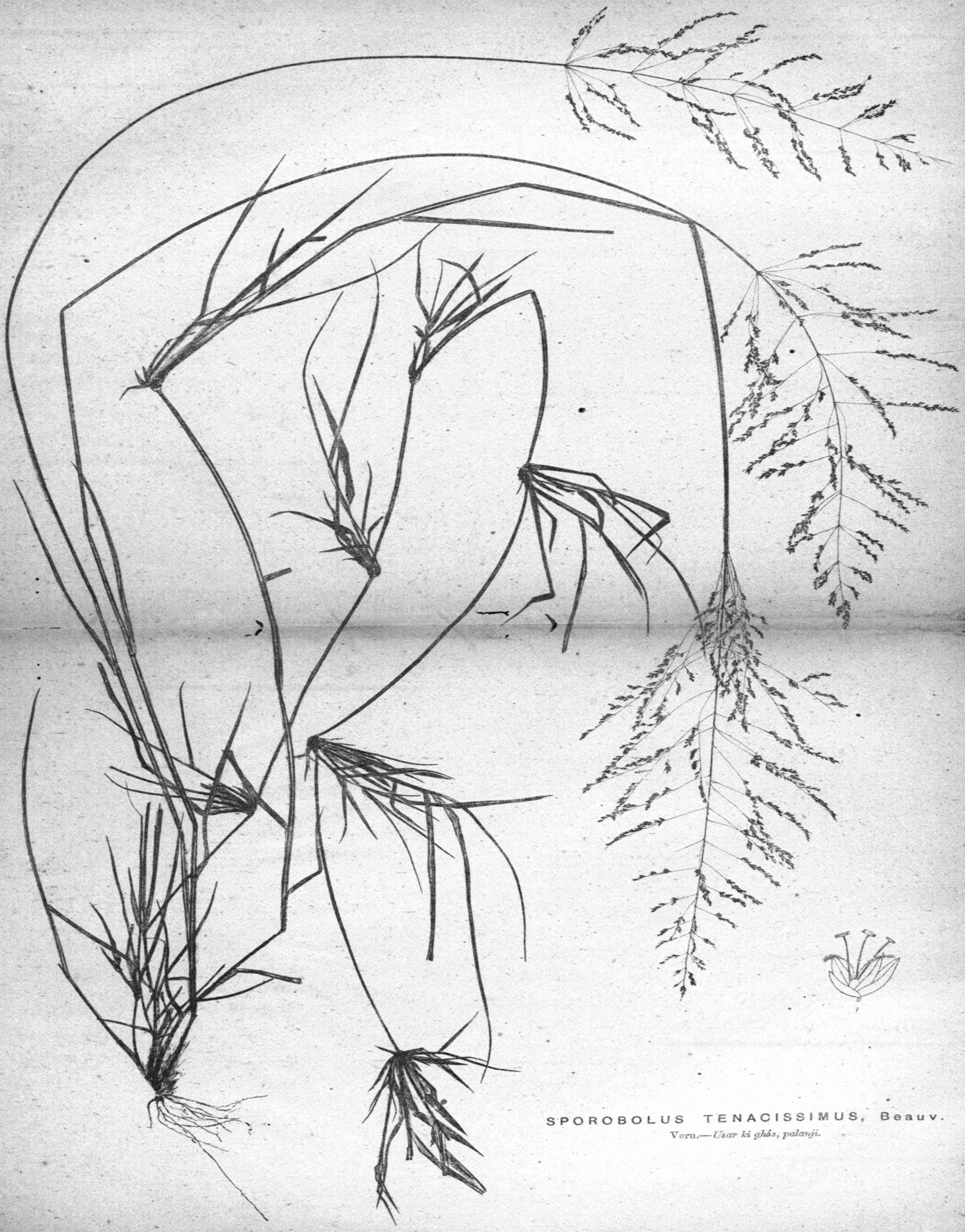

SPOROBOLUS TENACISSIMUS, Beauv.

Vern.—*Usar ki ghás; palanji.*

CYNODON DACTYLON, Pers.

Vern.—*Dub, khabbal, talla.*

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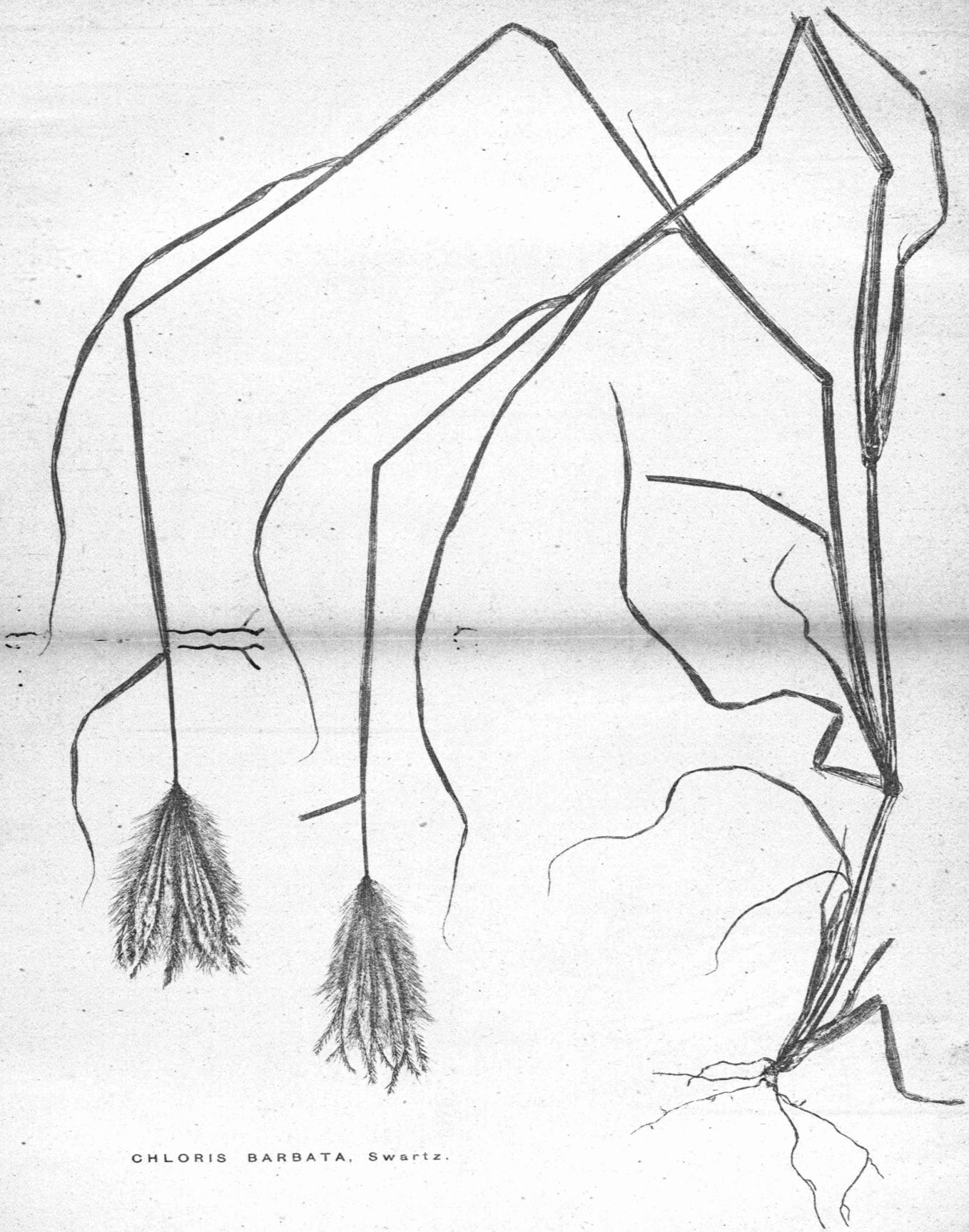

CHLORIS BARBATA, Swartz.

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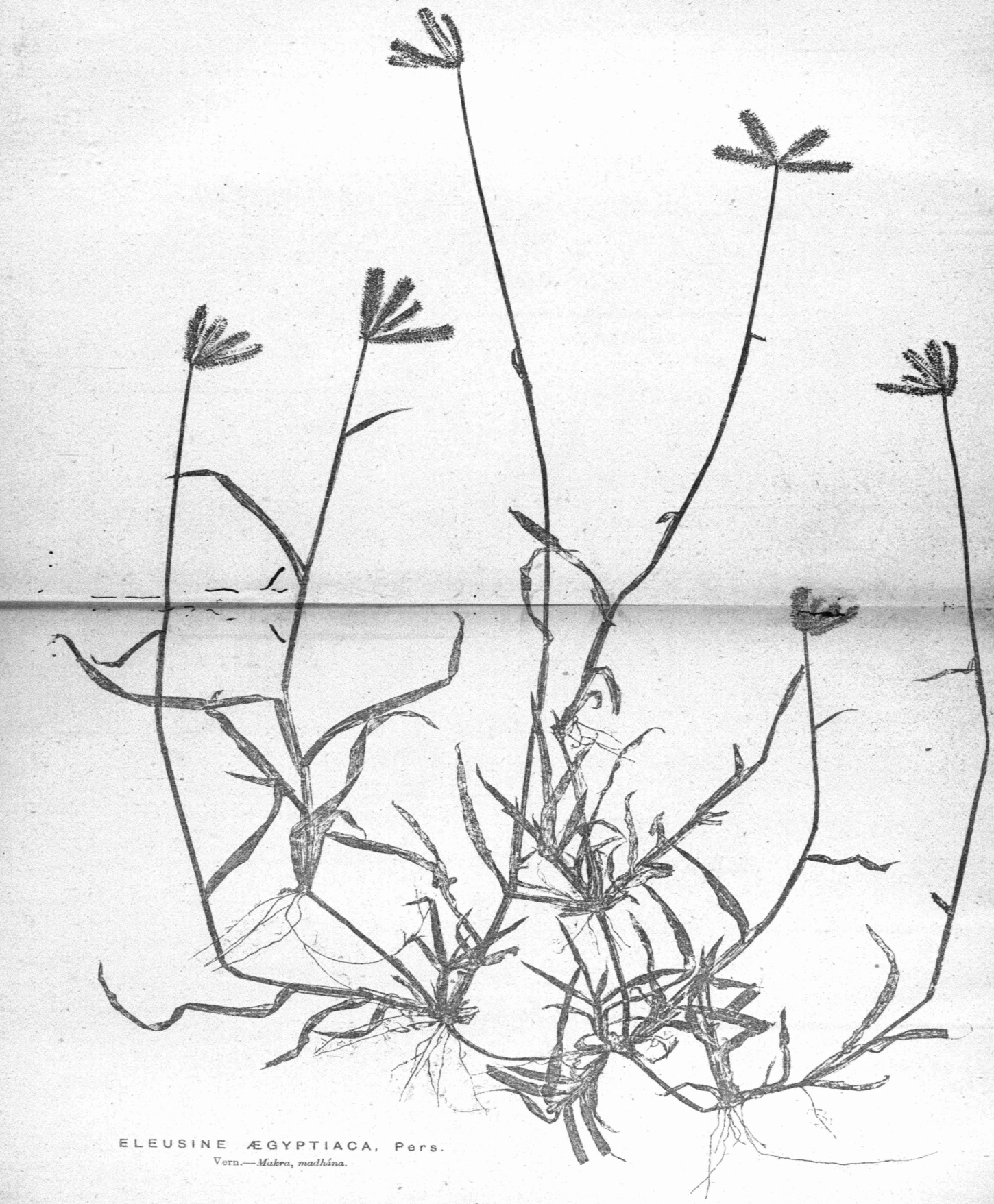

ELEUSINE ÆGYPTIACA, Pers.

Vern.—*Makra, madhána.*

ELEUSINE SCINDICA, Duthie.

Vern.—*Bobra.*

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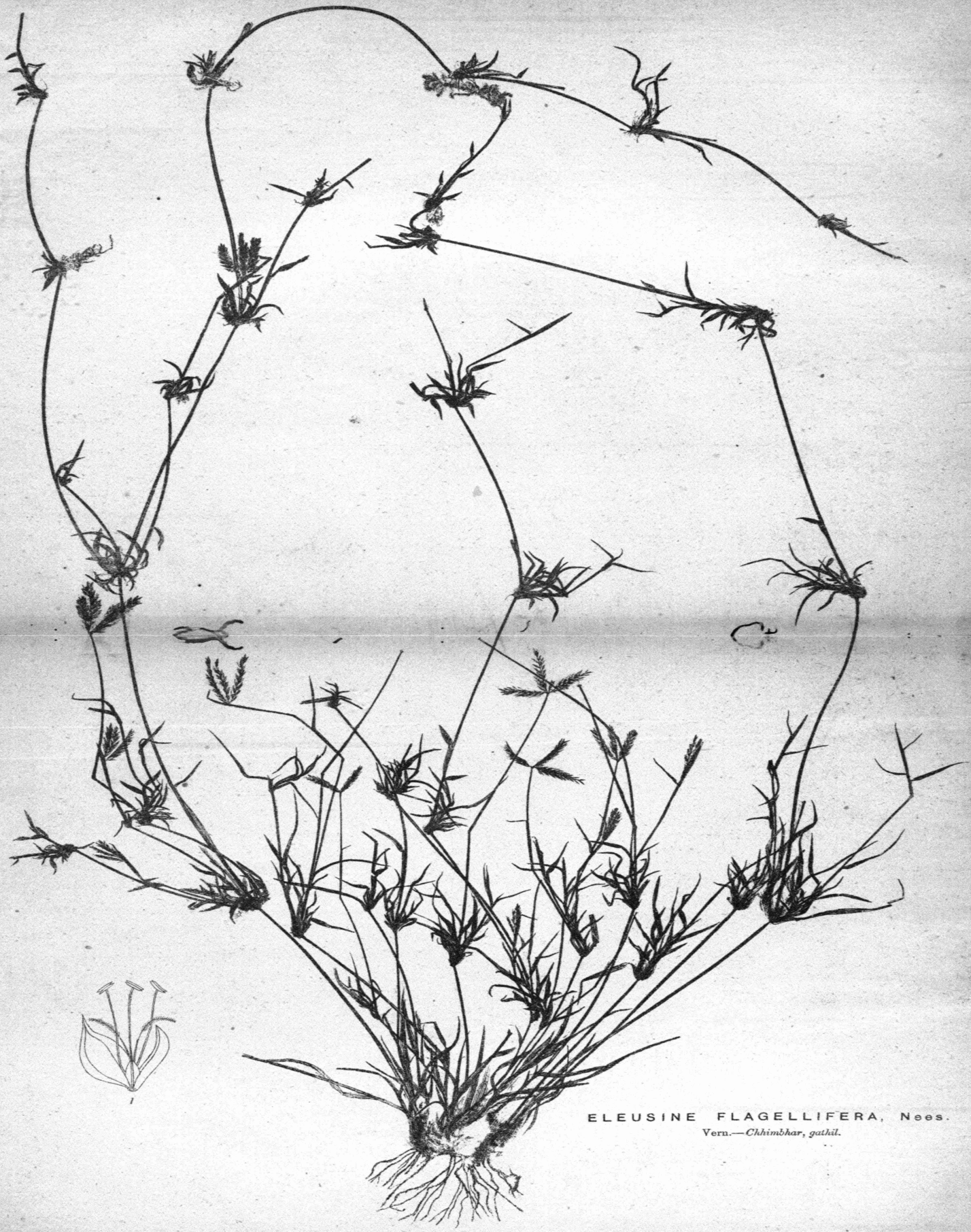

ELEUSINE FLAGELLIFERA, Nees.

Vern.—*Chhimbhar, gathil.*

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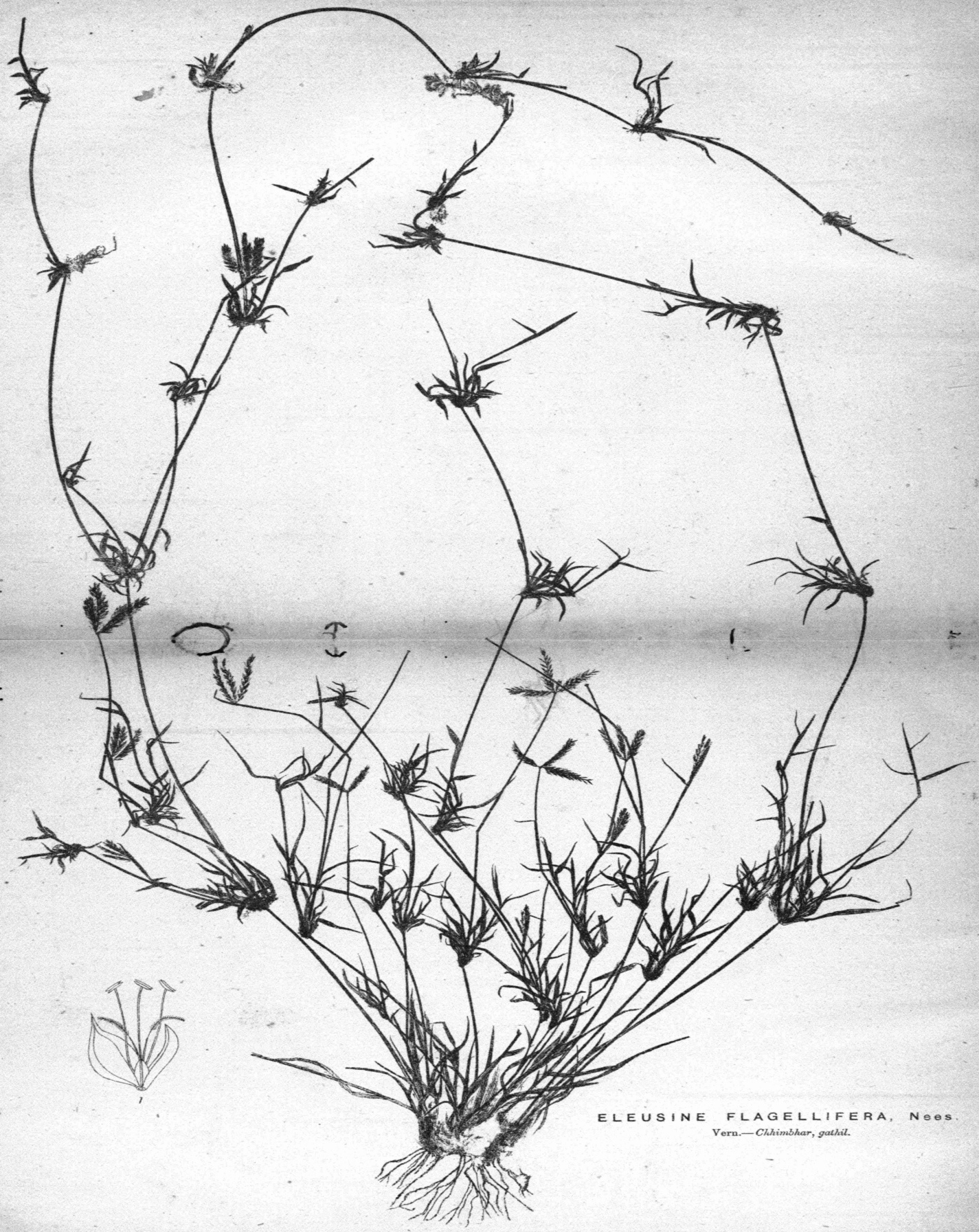


ELEUSINE FLAGELLIFERA, Nees.

Vern.—*Chhimbhar, gathil.*

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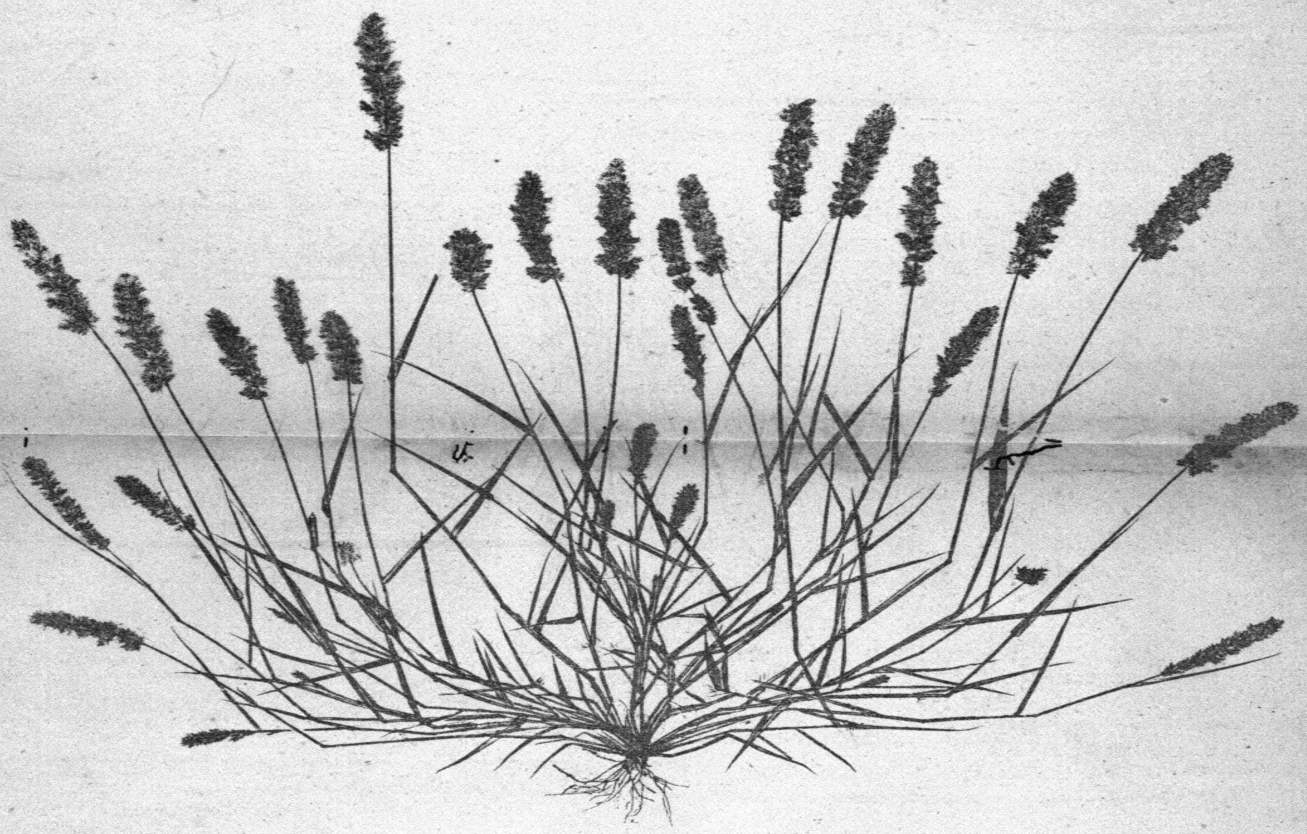

ERAGROSTIS CILIARIS, Link.
Var. brachystachya.

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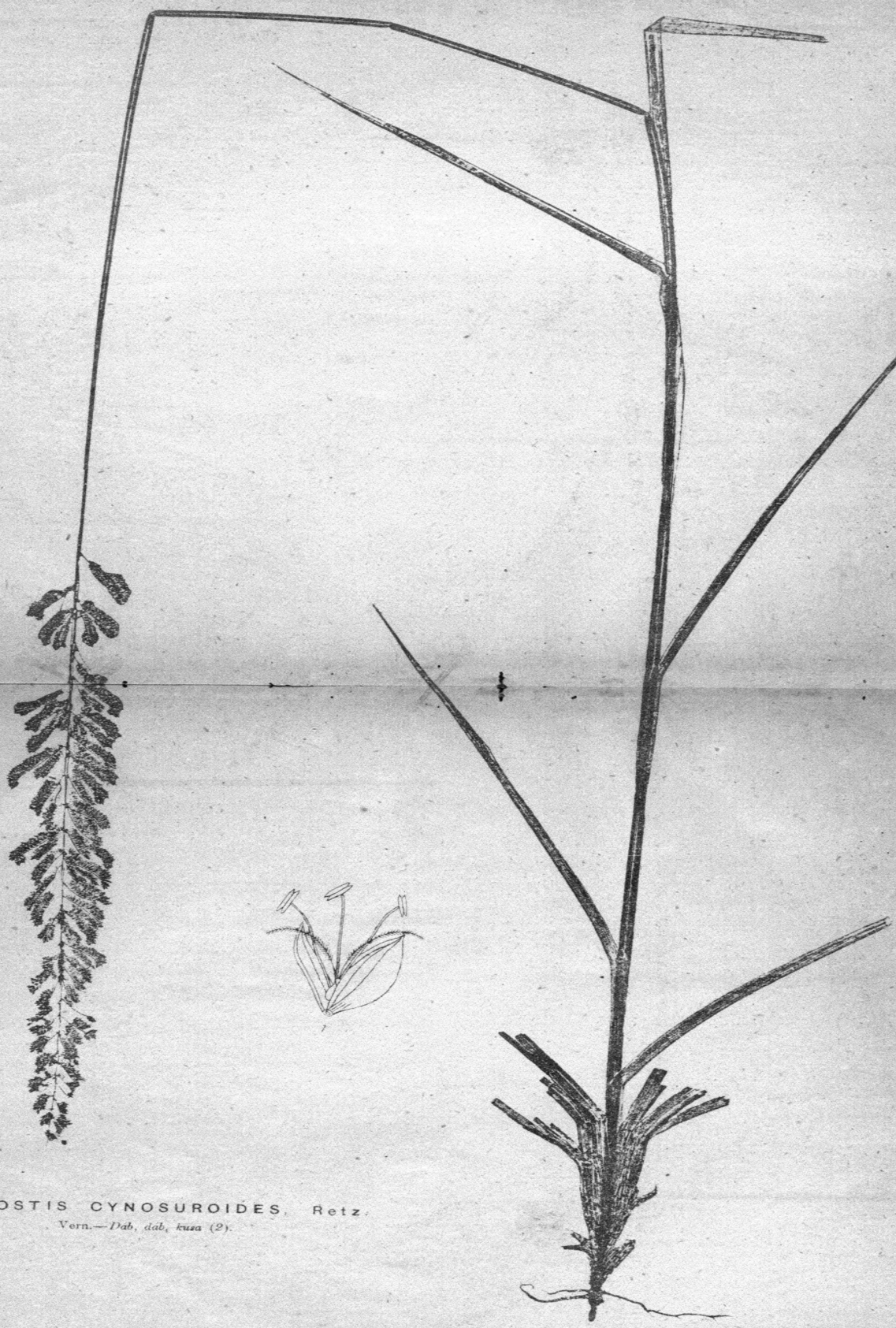

ERAGROSTIS CYNOSUROIDES, Retz.

Vern.—*Dab, dab, kusa (2).*

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